

IN THE CLAIMS

This listing of claims replaces all prior versions, and listings, in this application.

1. (previously presented) A method of production of a transgenic plant, said method comprising: transforming a plant with a Y11414 gene or a functional homologue thereof in other species to produce a transgenic plant which is stress tolerant.
2. (previously presented) The method according to claim 1 for prevention and/or treatment of biotic, salt-induced, dehydration-induced, oxidative, and osmotic stress.
3. (previously presented) The method according to claim 1, in which said gene is the Y11414 gene, its functional variants, complementary sequences, and transcription products thereof.
4. (previously presented) The method according to claim 1, in which said functional homologue is a polynucleotide sequence that exhibits a sequence homology of at least 70% with the variable region of the Y11414 gene.
5. (original) A polynucleotide sequence characterized by a homology of at least 70% with the variable region of the Y11414 gene.
6. (previously presented) A polypeptide that is coded by the Y11414 gene, by a functional homologue thereof in other species, or by a polynucleotide sequence according to claim 5.
7. (previously presented) The use of a polypeptide according to claim 6 for the prevention and/or treatment of biotic, salt-induced, dehydration-induced, oxidative, and osmotic stress.

8. (previously presented) A method of production of a transgenic plant, said method comprising: transforming a plant with an expression cassette and/or a biological vector containing a Y11414 gene, a functional homologue thereof in other species, or a polynucleotide sequence according to claim 5 to produce a transgenic plant which is stress tolerant.
9. (previously presented) An expression cassette comprising a promoter operatively linked to a polynucleotide sequence according to claim 5.
10. (previously presented) A biological vector comprising a polynucleotide sequence according to claim 5 or an expression cassette comprising a promoter operatively linked to said polynucleotide sequence.
11. (original) A vegetable host cell, transformed with the biological vector according to claim 10.
12. (original) A transgenic plant comprising vegetable host cells according to claim 11.
13. (original) A method for the treatment and/or prevention of the damages caused by biotic, salt, dehydration, oxidative and osmotic stresses in the plants, said method comprising transforming said plants with host cells comprising the Y11414 gene.
14. (original) A method for the treatment and/or prevention of the damages caused by salt, dehydration, oxidative and osmotic stresses in the plants, said method comprising transforming said plants with host cells according to claim 11.
15. (original) A method for the preparation of transgenic plants that are tolerant to the biotic, salt-induced, dehydration-induced, oxidative, and osmotic stress, said method comprising using the Y11414 gene, a functional homologue thereof, or a polynucleotide sequence according to claim 5.